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① 60 × 2 = 120 + 4 = 124

124 + 60 = 184

② 148 × 12 = 148 × 10 + 148 × 2

148 × 10 = 1480

148 × 2 = 296

1480 + 296 = 1776

③ 3 por 1 min

3 ——— 1
x ——— 60

x = 180

em 2h 360 voltas

1 180 × 2 = 360

FORONI:

1
75
× 3
135

45
×2
90

(4) 1045 | 45
90   23,2 ≅ 24
145
135
100
90
10

R = será preciso 24 ônibus

(5) 260 | 60
240   4,30
200
180
20

60 × 4 = 240   60 × 3 = 180   4 30 min

(6) 1/6 = 6 m   6 × 6 = 36 m

(7) a) 1/3 = 7 m   7 × 3 = 21 m

b) 45 — 30
x — 100
30x = 4500
x = 450/3

450 | 3
3   150
15

R = 150 toras

(8) 1820 — 100
x — 75
100x = 136500
x = 1365

3/4 = 25 × 3 = 75

(9) 75% = 750/1000 = 75%   R = 1000
100% = 1000

(10) 1344 — 100%
x — 92%

100x = 123.648
x = 1236,48

R = 1236,48

1400 — 100%
x — 96%
100x = 134400
x = 1344

FORONI

15 15
×4 ×6
60

12
×8
96

(11) 8 100% 10x = 960
x 120% x = 9,6 R: 9,60 R$

(12) 7 ÷ 15 5 | 3
600,46... 3 1,6...
100 20
90 18
2 1,2 = 6/5

0,46 0,46
+ x + 1,2
1,6 1,6

(13) x 8/15 x 15/15 =
960 km 15/15 x = 512

960
512
448

R = falta 448 km

(14) 1/6 de 60 = 10 min a cada 10 min sai um ônibus
5 por h 6 30 ônibus
×5
30

(15) 1 volta = 72 m 5 = 72×5
5 volta = 360 m
80 100 R = 360 m
x 90

80x = 7200
x = 72 m

(16) 160 l 100 100x = 11200 160
x 70 x = 112 −112
48

x = 112 5/8 de 48
R = 30 litros vendidos

FORON:

/ /

17) $x \cdot x = -27pf$ $\quad R = -34$

$p2 \cdot x = -27pf$

$x = \frac{-27pf}{f2}$

$x = -34$

18) $x \cdot 4 - 30 = -210$ $\quad -45 \cdot 4 - 30 = -210$

$x \cdot 4 = -210 + 30$ $\quad -180 - 30 = -210$

$x \cdot 4 = -180$ $\quad -210 = -210$

$x = \frac{-180}{4}$

$x = -45$

19) 100 g $\quad$ 10,40

10 g $\quad$ 10,40 + 20%

10,40 $\quad$ 100

$\times$ 120

$100x = 1248$

$x = 12,48$

12,48 $\quad$ 10,40 $\quad$ 1872,0

$\times 10$ $\quad \times 100$ $\quad +124,8$

124,8 $\quad$ 1.872 $\quad$ 1996,8

20) 1850 $\quad$ 100 $\quad$ $100x = 14800$ $\quad R = 1480$ Reais

20% $\quad \times \quad$ 80 $\quad x = 1480$

21) 40 $\quad$ 100 $\quad$ $100x = 1200$ $\quad R = 12$ alunos

$\times \quad$ 30% $\quad x = 12$

22) 90 $\quad$ 100% $\quad$ 60 $\quad$ 100% $\quad$ 50 $\quad$ 100%

$\times \quad$ 80% $\quad \times \quad$ 40% $\quad \times \quad$ 60%

$100x = 7200$ $\quad 100x = 2400$ $\quad 100x = 3000$

$x = 72$ $\quad x = 24$ $\quad x = 30$

$\begin{array}{r} 1 \\ 220 \\ 126 \\ \hline 94 \end{array}$

$R = 94$ não foram vendidos

FORON

23) 75 — 100%   100x = 9000   90
x — 120%   x = 90   − 75
15

R: 15 Reais

24) 1400 — 100%   100x = 168000
x — 120%   x = 1680

25) 1500 — 100%   100x = 142500
x — 95%   x = 1425

26) 12.000 — 100%   100x = 1440
x — 0,12%   x = 14,4

R = 12.014,4 R$

27) 380 — 100%   100x = 32300
x — 85%   x = 323

28) 24 — 100%   24x = 3000
30 — x $x = \frac{3000}{24}$
x = 125
− 100
25%

29) 50 — 100   100x = 6250   62,5 — 100   100x = 7500
x — 125   x = 62,5   x — 120   x = 75

30) 100 — 100%   100x = 7000   70 — 100
x — 70%   x = 70   x — 80
100x = 5600
x = 56

FORONI: R = 56 Reais

4/5 de 60% = 2/5

(31) P + 80% - 10% = 72

50 + 4/5 - 1/5 = 72

(32) 1500 ——— 100 1500x = 210000
2100 ——— x x = 2100/15
x = 140
-100
40%

(33) 4500 ——— 90% 90x = 450000
x ——— 100% x = 450000/9 x = 5.000

(34) a = 51 R$

b) 79 R$

c) 264 R$

(35) 4, 5 e 10 multiplicados por alguns numeros quais resultados igual de para fazer

4x4 = 16 4x5 = 20 R = 20 dias
5x4 = 20 —) 5x4 = 20
10x4 = 40 10+2 = 20

FORON:

36) 12+30=42 420 anos

42
420
420

37) x+y=20 38) 80
x+3/2x=20 3/2 de x = 50
x=20-3/2x
x=8 e 12

39) 28 = 0 3/7 é mulher 42,85% é mulher

28 ---- 100%
x ---- 42%

100x = 1176
x = 11,76
x ≅ 12 mulheres

40) 3/5 = 9 ta aumentando de 3 em 3
4/5 = 12
5/5 = 15
R = 15 anos

41) 25 42) 12 43) 3x6 = 18